

This permit originally issued to Emery Energy, now owned by Town Oil Co.

Missouri Oil and Gas Council

Form OGC-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL ☒

DEEPEN ☐

PLUG BACK ☐

for an oil well ☒

or gas well ☐

NAME OF COMPANY OR OPERATOR

Town Oil Co.

DATE 12/6/85

Route 4

Paola

KS

66071

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease

Asjes

Well number

C-8

Elevation (ground)

1079

WELL LOCATION

(give footage from section lines)

547

ft. from (N) sec. line

318

ft. from (E) sec. line

WELL LOCATION

Section 4

Township 46N

Range 33W

County

CASS

Nearest distance from proposed location to property or lease line:

318 feet

Distance from proposed location to nearest drilling, completed or applied for well on the same lease:

241 feet

Proposed depth

680

Drilling contractor, name & address

Rotary or Cable Tools

Approx. date work will start

see note

Number of acres in lease

110

Number of wells on lease, including this well, completed in or drilling to this reservoir:

Number of abandoned wells on lease:

If lease, purchased with one or more wells drilled, from whom purchased:

Name

No. of Wells:

producing

injection

inactive

abandoned

Address

Status of Bond

Single Well ☐

Amt.

Blanket Bond ☒

Amt. 20,000

☒ ON FILE
☐ ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

Proposed casing program:

amt.	size	wt./ft.	cem.
20'	7"	30#	no
660	2-3/8	4.5	yes

Approved casing -- To be filled in by State Geologist

amt.	size	wt./ft.	cem.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

I, the undersigned, state that I am the Partner of the Town Oil (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

Larry Town

Permit Number: 20187

Approval Date: 12/6/85

Approved By

Wallace B. Howe

☒ Drillers log required

☒ E-logs required if run

☒ Core analysis required if run

☒ Drill stem test info. required if run

☒ Samples required

☐ Samples not required

Note: This Permit not transferable to any other person or to any other location.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401

One will be returned for driller's signature

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DEC 16 1985

WATER SAMPLES REQUIRED @

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

3/12/82

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐NAME OF COMPANY OR OPERATOR Emery Energy, Inc. DATE May 11, 1981
R. R. 1 Box 390 Osawatomie Kansas 66064

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease

Asjes

Well number

C-8

Elevation (ground)

1079

WELL LOCATION

(give footage from section lines)

547 ft. from (N) (●) sec. line 318 ft. from (E) (●) sec. line

WELL LOCATION

Section 4 Township 46 Range 33

County

Cass

Nearest distance from proposed location to property or lease line:

318 feet

Distance from proposed location to nearest drilling, completed or applied - for well on the same lease:

241 feet

Proposed depth:

680

Rotary or Cable tools

Rotary

Approx. date work will start

June 2, 1981

Number of acres in lease:

110Number of wells on lease, including this well, completed in or drilling to this reservoir: 15Number of abandoned wells on lease: 0

If lease, purchased with one or more wells drilled, from whom purchased:

Name McGown Drilling
Address Mound City, KansasNo. of Wells: producing 1inactive 0abandoned 0

Status of Bond

Single Well ☐ Amt. _____Blanket Bond ☒ Amt. 20,000☒ ON FILE
☐ ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

Proposed casing program:

amt.

20'
660

size

7"
2-3/8

wt./ft.

30#
4.5

cem.

no
yes

Approved casing - To be filled in by State Geologist

amt.

size

wt./ft.

cem.

I, the undersigned, state that I am the Vice-President of the Emery Energy, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.Signature Allen M. HuntPermit Number: 60187Approval Date: 5/26/81Approved By: Wallace B. Hunt
D.R.S.

Note: This Permit not transferable to any other person or to any other location.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401

One will be returned for driller's signature

☒ SAMPLES REQUIRED☐ SAMPLES NOT REQUIRED

MAY 14 1981

MO. OIL & GAS COUNCIL

WATER SAMPLES REQUIRED @:

MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☒ Gas ☐ Dry ☐

Owner Emery Energy, Inc. Address R.R. 1, Box 390 Osawatomie, KS
 Lease Name Asjes Well Number C-8 66064

Location 547' FNL + 318 FEL Sec. — TWP-Range or Block & Survey 4-46N 33W

County Cass Permit number (OGC3 number) 20187

Date spudded 7-3-81 Date total depth reached 7-4-81 Date completed, ready to produce 1-2-82 Elevation (DF, RKB, RT or Gr.) 1074 feet th. Elevation of casing hd. flange same as surface feet

Total depth 670' P B T D 653.1

Producing interval (s) for this completion 590' - 606' - 613 Rotary tools used (interval) From 0 to TD Cable tools used (interval) From NO to NO
 Drilling Fluid used water, air

Was this well directionally drilled? NO Was directional survey made? NO Was copy of directional survey filed? NO Date filed 4-5-82

Type of electrical or other logs run (list logs filed with the State Geologist) Gamma Ray Neutron

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb ft)	Depth set	Sacks cement	Am't pulled
Surface	9"	6 7/8"		22'		
Production	5 1/2"	2"		660'	38	
					Portland #	

TUBING RECORD

LINER RECORD

Size in.	Depth set	Packer set at	Size in.	Top	Bottom	Sacks cement	Screen (ft.)
1" in.	596.3 ft.	— ft.	— in.	ft.	ft.		

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
1	1-11/16" #4	594-603	water gel - 2	590' to 600'
			sand - 20-40 - 10	606-613
			sand - 10-20 - 10	

INITIAL PRODUCTION

Date of first production 1-15-82 Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) Pumping #5 Churchill

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
<u>None</u>	<u>NA</u>	<u>NA</u>	<u>NA</u> bbls.	<u>NA</u> MCF	<u>NA</u> bbls.	<u>26</u> API (Corr.)

Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hr	Oil	Gas	Water	Gas-oil ratio
<u>See monthly Production Report</u>	<u>0</u>	<u>101</u>	<u>0</u> bbls.	<u>0</u> MCF	<u>15</u> bbls.	<u>0</u>

Disposition of gas (state whether vented, used for fuel or sold): Vented

Method of disposal of mud pit contents: Hauled Away

CERTIFICATE: I, the undersigned, state that I am the V-President of the Emery Energy, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

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APR 22 1982

MO. OIL & GAS COUNCIL

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MAY 03 1982

MO. OIL & GAS COUNCIL

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APR 12 1982

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Signature Devine M. Hurst

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
			0-3 soil
			3-16 clay
			16-44 lime
			44-75 shale
			75-89 lime
			89-114 shale
			114-119 lime
			119-123 carb shale
			123-165 shale
			165-200 lime
			200-206 carb shale
			206-228 lime
			228-234 carb shale
			234-245 lime (bertha)
			245-247 shale
			247-253 lime
			253-286 shale
			286-292 sand
			292-346 shale
			346-358 sand
			358-372 shale
			372-376 carb shale
			376-386 lime
			386-394 sand
			394-424 shale
			424-430 lime
			430-433 carb shale
			433-436 lime
			436-441 carb shale
			441-451 lime
			451-460 sand
			460-470 shale
			470-475 lime
			475-479 carb shale
			479-482 lime
			482-485 shale
			485-492 lime
			492-530 shale
			530-548 sand
			548-604 shale
			604-615 sand
			615-641 shale
			641-645 carb shale
			645-660 shale TD

*Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well if available.